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NITED STATES PATENT AND TRADEMARK OFFICE

1725

PATENT



In re Application of:

Frank L. Hall

Serial No.: 09/863,676

Filed: May 21, 2001

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Confirmation No.: 1281

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718US

(00-0316.00/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 11, 2006 /

Date

Leta M. Howard
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information

Disclosure Statement is not to be construed as a representation that a search has been made or an

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admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S.	Patent	Documents
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U.S. Patent No.	Publication Date	<u>Patentee</u>
US - 4,953,385	09/04/1990	Aoki et al.

Foreign Patent Documents

Document No.	Publication Date	<u>Patentee</u>
JP 03018806A	01/28/1991	Nippon Telegraph & Telephone Corp

Other Documents

IBM Technical Disclosure Bulletin (TDS), "Short Cycle Prototype Three-Dimensional Molded Circuit Boards." January 1, 1991, Volume 33, Issue 8, page 304.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the final Office Action under 37 C.F.R. § 1.113, but before payment of the issue fee.

I hereby certify that no item of information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the statement. Pursuant to 37 C.F.R. § 1.97(d)(ii), Applicant hereby requests consideration of the accompanying Supplemental Information Disclosure Statement. The fee pursuant to 37 C.F.R. §1.17(p) for consideration of this Supplemental Information Disclosure Statement is enclosed.

Respectfully submitted,

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Date: December 11, 2006

JRD/mah:lmh

Enclosures: Form PTO/SB/08 (2 pages)

Cited Non-U.S. Patent Documents (2 documents)

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PTO/SB/08A (10-01)

Approved for use through 10/31/2006. OMB 0651-0031

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Substitute TO SUBSTITUTE INFORMATION DISCLOSURE					Complete if Known	
				Application Number	09/863,676	
STATEMENT BY APPLICANT		Filing Date	May 21, 2001			
~				First Named Inventor	Frank L. Hall	
				Group Art Unit	1725	
	(use as many she	eis as i	necessary)	Examiner Name	S. Heinrich	
Sheet	1	of	2	Attornov Doolset Number	2260 4718118 (00 0316 00/118)	

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U.S. PATENT DOCUMENTS						
Examiner Cite Initials * No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
		US-4,953,385	09/04/1990	Aoki et al.	Figures Appear	
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FOREIGN PATENT DOCUMENTS						
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Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) Publication Date Applicant of Cited MM-DD-YYYY Document	• •	Where Relevant Passages or Relevant Figures Appear	T ⁶	
		JP 03018806A	01/28/1991	Nippon Telegraph & Telephone Corp		Х
						
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO			Complete if Known		
INIEO	DNAATIO	NI DICC	LOCUDE	Application Number	09/863,676
INFORMATION DISCLOSURE				Filing Date	May 21, 2001
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Frank L. Hall
				Group Art Unit	1725
(use as many sheets as necessary)		Examiner Name	S. Heinrich		
Sheet	2	of	2	Attorney Docket Number	2269-4718US (00-0316.00/US)

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
		IBM Technical Disclosure Bulletin (TDS), "Short Cycle Prototype Three-Dimensional Molded Circuit Boards." January 1, 1991, Volume 33, Issue 8, page 304.			
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